

ILLUMINATOR, EXPOSING METHOD AND APPARATUS, AND DEVICE MANUFACTURING METHOD

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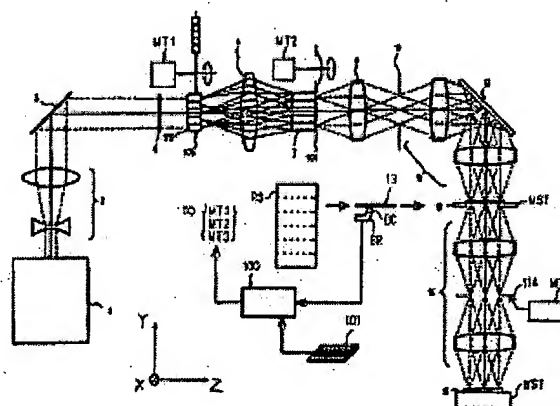
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Abstract of WO9949505

An illuminator for illuminating a surface to be illuminated, comprising a light source (1) for producing a light beam of predetermined wavelength, wavefront-division optical integrator (451) including unit optical systems, a condenser optical systems (9, 11) for directing the light beam to the surface to be illuminated, and assisting optical members (OMA) for deflecting the light beam through the unit optical systems, at least one assisting optical member being correspondingly disposed in one of the unit optical systems.



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